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# NOTICE OF ALLOWANCE AND FEE(S) DUE

25944

7590

01/13/2009

OLIFF & BERRIDGE, PLC P.O. BOX 320850 ALEXANDRIA, VA 22320-4850 EXAMINER

VORTMAN, ANATOLY

ART UNIT PAPER NUMBER

2835 DATE MAILED: 01/13/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538.754	06/10/2005	Yuji Furuuchi	124221	5425

TITLE OF INVENTION: PROTECTIVE ELEMENT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/13/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correct maintenance fee notifica	ed below or directed oth	ng the Patent, adv nerwise in Block	ance of 1, by (	rders and notification a) specifying a new co	of n	naintenance fees w pondence address;	ill be and/or	mailed to the current (b) indicating a sepa	corr arate	respondence address as "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)					Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
25944 7590 01/13/2009 OLIFF & BERRIDGE, PLC P.O. BOX 320850 ALEXANDRIA, VA 22320-4850					State addr	reby certify that the es Postal Service we essed to the Mail	is Fee(s vith suf Stop	ficient postage for fire	g dep st cla abo	posited with the United ass mail in an envelope ve, or being facsimile
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APPLICATION NO.	FILING DATE			FIRST NAMED INVEN	ГOR		ATTO:	RNEY DOCKET NO.	C	ONFIRMATION NO.
10/538,754 TITLE OF INVENTION	06/10/2005 F: PROTECTIVE ELEMI	ENT		Yuji Furuuchi				124221		5425
APPLN. TYPE	SMALL ENTITY	ISSUE FEE D	UE	PUBLICATION FEE D	UE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	Т	DATE DUE
nonprovisional	NO	\$1510		\$300		\$0		\$1810		04/13/2009
EXAM	IINER	ART UNIT		CLASS-SUBCLASS						
VORTMAN,	, ANATOLY	2835		337-182000		l				
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.  3. ASSIGNEE NAME A PLEASE NOTE: Unl	ND RESIDENCE DATA less an assignee is identi h in 37 CFR 3.11. Comp	"Indication form led. Use of a Cust TO BE PRINTE	omer ED ON	data will appear on th	nativingle or a attorder type ne pagan a	rely, e firm (having as a gent) and the nammers or agents. If printed.  e) ttent. If an assignassignment.	memb es of uj no nam	er a 2	ocun	nent has been filed for
Please check the appropr	iate assignee category or	categories (will n	ot be p	rinted on the patent):		Individual 🖵 Co	orporati	on or other private gro	эир є	entity 🖵 Government
Advance Order -	No small entity discount p		4	b. Payment of Fee(s): ( A check is enclosed Payment by credit The Director is he overpayment, to D	ed. t care reby	d. Form PTO-2038 authorized to char	is atta	ched. equired fee(s), any de	eficie	
5. Change in Entity Sta	<b>tus</b> (from status indicated is SMALL ENTITY state		27.	☐ b. Applicant is no	lons	er claiming SMAl	LEN	FITY status. See 37 C	FR 1	.27(g)(2).
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if requ	uired) will not be	accepte	ed from anyone other th						
interest as shown by the	records of the Officed Sta	tes ratent and 11a	ueman	Come.						
Authorized Signature						Date				
Typed or printed name				Registration No						
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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10/538,754	06/10/2005	Yuji Furuuchi	124221	5425		
25944 75	90 01/13/2009		EXAM	INER		
OLIFF & BERRI	DGE, PLC		VORTMAN,	ANATOLY		
P.O. BOX 320850			ART UNIT	PAPER NUMBER		
ALEXANDRIA, VA 22320-4850			2835			
		DATE MAILED: 01/13/2009				

# **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 191 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 191 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)		
	10/538,754	FURUUCHI ET AL.		
Notice of Allowability	Examiner	Art Unit		
	ANATOLY VORTMAN	2835		
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to RCE of 11/17/08.  2. The allowed claim(s) is/are 4 (renumbered 1).	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject t	plication. If not included n will be mailed in due course. <b>THIS</b>		
3.  Acknowledgment is made of a claim for foreign priority uner a)  All b)  Some* c)  None of the:  1.  Certified copies of the priority documents have 2.  Certified copies of the priority documents have 3.  Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4.  A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 5.  CORRECTED DRAWINGS (as "replacement sheets") must (a)  including changes required by the Notice of Draftspers 1)  hereto or 2)  to Paper No./Mail Date  (b)  including changes required by the attached Examiner's Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the deposit attached Examiner's comment regarding REQUIREMENT in the deposit of the priority documents and the deposit attached Examiner's comment regarding REQUIREMENT in the deposit of the priority documents and the deposit of the priority documents and the deposit of the priority documents and the deposit of the priority documents are priority documents and the deposit of the priority documents are priority documents and the deposit of the priority documents are priority documents and the deposit of the priority documents are priority documents and the priority documents are priority documents.	been received.  been received in Application No cuments have been received in this  of this communication to file a reply IENT of this application.  itted. Note the attached EXAMINER as reason(s) why the oath or declara be be submitted.  con's Patent Drawing Review (PTO)  as Amendment / Comment or in the Comment or in the Comment of BIOLOGICAL MATERIAL	national stage application from the complying with the requirements  2'S AMENDMENT or NOTICE OF ation is deficient.  -948) attached  Office action of the back) of (d).  must be submitted. Note the		
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material  /Anatoly Vortman/ Primary Examiner, Art Unit 2835	5. Notice of Informal F 6. Interview Summary Paper No./Mail Da 7. Examiner's Amend 8. Examiner's Statem 9. Other	(PTO-413), te		

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### REASONS FOR ALLOWANCE

1. A request for continued examination (RCE) under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application on 11/17/08 after final rejection of 05/16/08. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/17/08 has been entered.

2. The following is an examiner's statement of reasons for allowance:

The allowability resides in the overall structure of the device as recited in sole pending claim 4, and at least in part, because claim 4 as amended recites, *inter alia*: "the low-melting metal member having a groove provided in the center that extends in the direction of current flow that blows out as an effect of the heat-generating member generating heat, so that the lateral cross section along the entire length of the low-melting metal member in the direction of the current flow divides into at least two independent cross sections". The aforementioned limitations in combination with all remaining limitations of claim 4 are believed to render the claim allowable over the art of record. None of the references of record, taken alone or in combination, teach the aforementioned features of claim 4.

Furthermore, Examiner has performed the assignee and inventor name searches in order to identify documents with possible double patenting issues. No documents with conflicting claims have been identified.

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Art Unit: 2835

3. Any comments considered necessary by Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANATOLY VORTMAN whose telephone number is (571)272-2047. The examiner can normally be reached on Monday-Thursday, between 10:00 am and 8:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Jayprakash Gandhi can be reached on 571-272-3740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.